

Switchable Gearbox of a Handheld Power Tool

Abstract

A switchable gearbox of a handheld power tool has a gear having a first switching stage and a second switching stage arranged sequentially in an axial direction of the gear, wherein the gear comprises a gear arrangement movable in the axial direction of the gear between the first and second switching stages. An actuator is rotatable about an axis parallel to the axial direction of the gear. At least one shifting gate is rotatable together with the actuator wherein the shifting gate interacts with the gear arrangement for moving the gear arrangement in the axial direction. The shifting gate has a central area extending linearly and at a slant relative to a circumferential direction of the gear and end sections on each end of the central area, wherein the end sections extend parallel to the circumferential direction.